UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,590	02/26/2004	Noriaki Okamura	019952-183	4351

21839   7590   09/14/2007
BUCHANAN, INGERSOLL & ROONEY PC
POST OFFICE BOX 1404
ALEXANDRIA, VA 22313-1404

EXAMINER
HSU, RYAN

ART UNIT	PAPER NUMBER
3714	

NOTIFICATION DATE	DELIVERY MODE
09/14/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ADIPFDD@bipc.com
debra.hawkins@bipc.com

	Application No.	Applicant(s)
Office Action Summary	10/786,590	OKAMURA, NORIAKI
	Examiner	Art Unit	
	Ryan Hsu	3714	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _26 February 2004_.

2a)☐ This action is **FINAL.**   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-8_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-8_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _26 February 2004_ is/are: a)☒ accepted or b)☐ objected to by the Examiner..

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _3/28/06_.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____ .

DETAILED ACTION

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Rimoto (US 6,257,983 B1).

Regarding claim 1, Rimoto discloses a cursor control apparatus which performs cursor control for moving a cursor displayed on a display screen of a display device to a coordinate position of one of a plurality of points visibly or invisibly set in the display screen in accordance with a designation indicating a moving direction of the cursor in the display screen (*see abstract, col. 6: ln 40-col. 7: ln 20*), comprising: path calculation means for calculating a path which circulates through vicinities of positions of the points on the basis of coordinate positions of the points in the display screen (*see Fig. 2-3 and the related description thereof*); intersection point coordinate position calculation means for calculating a coordinate position of an intersection point of the path and a line segment extending from a predetermined coordinate position in a region surrounded by the path calculated by said path calculation means in the moving direction of the cursor indicated by the designation (*see Fig. 6(a-c) and the related description thereof*); and a display control means for moving a display position of the cursor to the calculated intersection point coordinate position (*see Fig. 6d, 12-13 and the respective related description thereof*).

Regarding claim 8, Rimoto disclose a cursor control program for causing a computer to perform cursor control for moving a cursor displayed on a display screen of a display device of

the computer to a coordinate position of one of a plurality of points visibly or invisibly set in the

display screen in accordance with a designation indicating a moving direction of the cursor in the

display screen (*see abstract, col. 6: ln 40-col. 7: ln 20*), wherein the program causes the

computer to perform: a path calculation step of calculating a path which circulates through

vicinities of positions of the points on the basis of coordinate positions of the points in the

display screen (*see col. 12: ln 22-67*); an intersection point coordinate position calculation step

of calculating a coordinate position of an intersection point of the path (*see col. 10 : ln 45-col.

12: ln 2*) and a line segment extending from a predetermined coordinate position in a region

surrounded by the path calculated in the path calculation step in the moving direction of the

cursor indicated by the designation (*see col. 10: ln 1-40*); and a display control step of moving a

display position of the cursor to the calculated intersection point coordinate position (*see Fig. 6d,

12-13 and the respective related description thereof*).

Regarding claim 2, Rimoto discloses a control program wherein the coordinate positions

of the points are obtained by projecting coordinate positions, which are represented in a three-

dimensional coordinate system, of corresponding objects in a three-dimensional virtual space

(*see Fig.s 12-13 and the related description thereof*).

Regarding claim 3, Rimoto discloses a program wherein the plurality of points includes a

point whose coordinate position in the display screen dynamically changes (*see col. 12: ln 22-

67*).

Regarding claim 4, Rimoto discloses a program wherein the line segments are drawn

from the predetermined coordinate position in the region surrounded by the path calculated by

said path calculation means to the points, the points are arranged on the display screen so as to

avoid a situation wherein two or more of the points are located on one of the line segments (*see*

Fig. 12-13 and the related descriptions thereof).

Regarding claim 5, Rimoto discloses a program, wherein said path calculation means

searches for the coordinate positions of the points in a predetermined rotational direction around

the predetermined coordinate position based on the coordinate positions of the points, and the

path which circulates through all the points is obtained by performing a process of calculating a

partial path which connects a found coordinate position and a next found coordinate position for

each point (*see Fig. 8(a-b) and col. 12: ln 22-67*).

Regarding claim 6, Rimoto discloses a program wherein the partial path is represented by

a curve (*see Fig. 8(a-b) and the related description thereof*).

Regarding claim 7, Rimoto discloses a program wherein the partial path is represented by

a line segment (*see Figs. 12-13 and the related description thereof*).

Conclusion

Any inquiry concerning this communication or earlier communication from the examiner

should be direct to Ryan Hsu whose telephone number is (571)-272-7148. The examiner can

normally be reached on M-F 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Robert E Pezzuto can be reached at (571)-272-6996.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, contact the Electronic Business Center (EBC) at 1-866-217-9197 (toll-free).

RH

September 2, 2007

ROBERT E. PEZZUTO
SUPERVISORY PRIMARY EXAMINER